

Patent claims

- 5 1. Expansible anchor (1) made of metal for affixing a component to a substrate, the
expansible anchor (1) having an anchor element (3) with fixing means (4) and an
expansion zone (5) of reduced diameter which widens in the direction of insertion
of the expansible anchor, on which an expansion sleeve (6) having expansion
10 tongues (8) and at least one cutter (9) for creating an undercut is mounted so as
to be axially displaceable, the expansion tongues (8) each being connected along
a predetermined bending line (10) to the body (7) of the expansion sleeve (6),
characterized in that the expansion sleeve (6) consists of hardened steel and
the predetermined bending lines (10) are straight.
- 15 2. Expansible anchor according to claim 1, characterized in that the expansion
sleeve (6) is a bent stamped component.
3. Expansible anchor according to claim 1, characterized in that the widening
portion of the expansion zone (5) has flat slide surfaces (11).
- 20 4. Expansible anchor according to claim 1, characterized in that the expansible
anchor (1) has a spacer sleeve (13).
5. Expansible anchor according to claim 1, characterized in that the anchor element
25 (3) has key-engagement surfaces (12) in the region of the fixing means (4).
6. Setting tool (2) for setting an expansible anchor (1), especially according to
claim 5, characterized in that the setting tool (2) has key-surfaces (16)
corresponding to the key-engagement surfaces (12) of the expansible anchor (1),
30 a driving surface (17) and an adapter device (18).
7. Setting tool according to claim 6, characterized in that the setting tool (2) has a
sleeve-like body part (15) having the key-surfaces (16) on the inner side and the
driving surface (17) on the end face.